

Sequence logo for the 17v2|US6 clade. The logo displays the consensus sequence and the information content (bits) for each position. The y-axis represents the information content in bits, ranging from 0 to 1.5. The x-axis represents the position in the sequence, from 1 to 170. The consensus sequence is shown at the top, and the identity of each amino acid is indicated by a color-coded bar below the logo.

Consensus: MGGAAARLGAVILFVVIVGLHGVGRGYALADASLKMADPNRFRGKDLPLVDQLTDPGVRVYHIQAGLPDPFQPPSLPITVYYAV

Identity: [Color-coded bar representing amino acid identity]

1. 17v2|US6
 2. FJUS6
 3. H129|US6
 4. K05|US6
 5. McKr|US6
 6. HF10|US6
 7. CR38|US6
 8. E03|US6
 9. E06|US6
 10. E07|US6
 11. E08|US6
 12. E10|US6
 13. E11|US6
 14. E12|US6
 15. E13|US6
 16. E14|US6
 17. E15|US6
 18. E19|US6
 19. E22|US6
 20. E23|US6
 21. E25|US6
 22. E35|US6
 23. R11|US6
 24. R62|US6
 25. S23|US6
 26. S25|US6

1. 17v2|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
2. FJ|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
3. H129|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
4. KOS|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
5. McKr|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
6. HF10|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
7. CR38|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
8. E03|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQL^NYNLTIAWFRMGGNCAIPITVMMEYTDCSYNKSLGACP IRTQPRWNYYDSFSAVSSED
9. E06|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
10. E07|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
11. E08|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
12. E10|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
13. E11|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
14. E12|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
15. E13|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
16. E14|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
17. E15|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
18. E19|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
19. E22|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
20. E23|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
21. E25|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
22. E35|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
23. R11|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
24. R62|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
25. S23|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED
26. S25|US6 LERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNCAIPITVMMEYTECSYKNKSLGACP IRTQPRWNYYDSFSAVSSED

	180	190	200	210	220	230	240	250																																																																														
Consensus	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
Identity																																																																																						
1. 17v2 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
2. F US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
3. H129 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
4. K05 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
5. McKr US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
6. HF10 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
7. CR38 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
8. E03 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
9. E06 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
10. E07 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
11. E08 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
12. E10 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
13. E11 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
14. E12 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
15. E13 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
16. E14 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
17. E15 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
18. E19 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
19. E22 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
20. E23 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
21. E25 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
22. E35 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
23. R11 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
24. R62 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
25. S23 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N	Q	R	T	V	A	V
26. S25 US6	N	L	G	F	L	M	H	A	P	A	F	E	T	A	G	T	Y	L	R	L	V	K	I	N	D	W	T	E	I	T	Q	F	I	L	E	H	R	A	K	G	S	C	K	Y	A	L	P	L	R	I	P	P	S	A	C	L	S	P	Q	A	Y	Q	Q	G	V	T	V	D	S	I	G	M	L	P	R	F	I	P	E	N						

	260	270	280	290	300	310	320	330	340
Consensus	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
Identity									
1. 17v2 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
2. F US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
3. H129 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
4. KOS US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
5. MKCr US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
6. HF10 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
7. CR38 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
8. E03 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
9. E06 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELTPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
10. E07 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
11. E08 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
12. E10 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELTPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
13. E11 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELTPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
14. E12 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
15. E13 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
16. E14 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
17. E15 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
18. E19 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
19. E22 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELTPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
20. E23 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
21. E25 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELTPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
22. E35 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
23. R11 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
24. R62 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
25. S23 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAQEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								
26. S25 US6	YSLKIAGWHGPKAPYTSTLLPPELSETPNATQPELAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNMGLIA								

	350	360	370	380	390	394
Consensus	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
Identity						
1. 17v2 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
2. F US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
3. H129 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
4. KOS US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
5. McKr US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
6. HF10 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
7. CR38 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
8. E03 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
9. E06 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
10. E07 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
11. E08 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
12. E10 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
13. E11 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
14. E12 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
15. E13 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
16. E14 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
17. E15 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
18. E19 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
19. E22 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
20. E23 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
21. E25 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
22. E35 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
23. R11 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
24. R62 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
25. S23 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY
26. S25 US6	GAVGG	SLLAALV	ICGIVYWM	RRRT	TRKAPKRI	RLPHIREDDQPSSHQPLFY